

**SaRaT-IWSN lucrări publicate
(2012-prezent)**

Jurnale

1. Fratu, O.; Vulpe, A.; Craciunescu, R.; Halunga, S., "Small Cells in Cellular Networks: Challenges of Future HetNets", *Wireless Personal Communications Journal*, vol. 78, issue 3, pp. 1613-1627, Oct. 2014, ISSN: 0929-6212, DOI 10.1007/s11277-014-1906-9 (ISI)
2. Craciunescu, R.; Manea, O.; Halunga, S.; Fratu, O.; Vizireanu, D.N., "Considerations on CDMA-OFDM System Performances in Different Channel Environments for Different Modulation and Coding Scenarios", *Wireless Personal Communications Journal*, *Wireless Personal Communications Journal*, vol. 78, issue 3, pp. 1667-1682, Oct. 2014, , ISSN: 0929-6212, DOI 10.1007/s11277-014-1907-8 (ISI)
3. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, (...), „Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory”, colaborarea internațională Pierre Auger, *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*, Issue: 2, Article Number: 026, DOI: 10.1088/1475-7516/2013/02/026 Published: FEB 2013, Accession Number: WOS:000315576400026, ISSN: 1475-7516.
4. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, „Identifying Clouds over the Pierre Auger Observatory using Infrared Satellite Data”, *Astroparticle Physics*, disponibilă online din 3 Octombrie 2013, DOI: 10.1016/j.astropartphys.2013.09.004, arXiv:1310.1641v1 [astro-ph.IM] 6 Oct 2013
5. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma,, "Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth", Colaborare: Pierre Auger Collaboration, *PHYSICAL REVIEW D* Volum: 90 Fascicola: 1 Număr Articol: 012012 Publicată: JUL 25 2014
6. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS", Colaborare: Pierre Auger Collaboration, *ASTROPHYSICAL JOURNAL LETTERS* Volum: 789 Fascicola: 2 Număr Articol: UNSP L34 Publicată: JUL 10 2014
7. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "A SEARCH FOR POINT SOURCES OF EeV PHOTONS", Colaborare: Pierre Auger Collaborat, *ASTROPHYSICAL JOURNAL* Volum: 789 Fascicola: 2 Număr Articol: 160 Publicata: JUL 10 2014
8. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "Probing the radio emission from air showers with polarization measurements", , Colaborare: Pierre Auger Collaboration, *PHYSICAL REVIEW D* Volum: 89 Fascicola: 5 Număr Articol: 052002 Publicată: MAR 14 2014, Citări: 1
9. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America", *Atmospheric Research*, Volume 149, pp. 120-135, November 2014, ISSN 0169-8095, DOI: 10.1016/j.atmosres.2014.05.021, IF2013- 2.421 (ISI Web of Knowledge).
10. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "Searches for Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays Detected above Energy of 10(19) eV at the Pierre Auger Observatory and the Telescope Array", *The Astrophysical Journal*, Volume 794, Number 2, pp. 1-15, October 2014, ISSN. 0004-637X, DOI: 10.1088/0004-637X/794/2/172, IF2013 - 6.280 (ISI Web of Knowledge).
11. P. Abreu, (...), I. Brancus, O. Fratu, B. Mitrica, A. Saftoiu, G. Toma, "Reconstruction of inclined air showers detected with the Pierre Auger Observatory", *Journal of Cosmology and Astrophysical Physics*, Number 8 pp. 160-187, August 2014, ISSN. 1475-7516, DOI: 10.1088/1475-7516/2014/08/019, IF2013 - 5.877 (ISI Web of Knowledge).

12. Martian, A.; Craciunescu, R.; Vulpe, A.; Suci, G; Fratu, O., "Access to RF White Spaces in Romania: Present and Future ", *Wireless Personal Communications Journal*, pp 1-20, 2015-05-10, ISSN: 0929-6212, DOI 10.1007/s11277-015-2638-1 (IF. 0.653, ISI)
13. Marcu, I.; Halunga, S. V.; "Implication of LDPC Technique in Non-ideal Multiuser Communication System", *Wireless Personal Communications*, Print ISSN 0929-6212, pp. 1-18, May 2015 (Springer, ISI , IF: 0.652)
14. Suci, G.; Vulpe, A.; Halunga, S.; Fratu, O., "Big Data Processing for Renewable Energy Telemetry using a Decentralized Cloud M2M System," *Wireless Personal Communications*, DOI: 10.1007/s11277-015-2527-7 (IF. 0.653, ISI)
15. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al., "The Pierre Auger Cosmic Ray Observatory", *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT* journal, Volume: 798, Pages: 172-213, OCT 21 2015
16. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al., "Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth", *PHYSICAL REVIEW D* journal, Volume: 92, Issue: 1, 20 Iulie 2015
17. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al., "Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory", *EUROPEAN PHYSICAL JOURNAL C*, Volume: 75, Issue: 6, 20 Iunie 2015
18. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory", *PHYSICAL REVIEW D* journal, Volume: 91, Issue: 9, 26 Mai 2015
19. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY", *ASTROPHYSICAL JOURNAL*, Volume: 804, Issue: 1, 1 Mai 2015
20. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80 degrees", *ASTROPHYSICAL JOURNAL*, Volume: 802, Issue: 2, 1 Apr. 2015
21. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events", *PHYSICAL REVIEW D* journal, Volume: 91, Issue: 3, 6 Feb. 6 2015.
22. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications", *PHYSICAL REVIEW D* journal, Volume: 90, Issue: 12, 31 Dec. 2014
23. Aab, A.; Abreu, P.; Aglietta, M.; Fratu, O. et al "Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above 10(17.8) eV", *PHYSICAL REVIEW D* journal, Volume: 90, Issue: 12, 31 Dec. 2014

Conferințe

24. Craciunescu Razvan, Halunga Simona, Fratu Octavian, "Guard Interval Effects on OFDM /BPSK Transmissions over Fading Channels", *Proceedings of TELFOR 2012 Conference*, Belgrad, Serbia, 20-22 November 2012, pp. 471-474, ISBN 978-1-4673-2982-8. (IEEEExplore, ISI)

25. Vulpe Alexandru, Fratu Octavian, Craciunescu Razvan, "Performance evaluation of heterogeneous interworking using IEEE 802.21", *Proceedings of TELFOR 2012 Conference*, Belgrad, Serbia, 20-22 November 2012, pp. 498-501, ISBN 978-1-4673-2982-8. (IEEEExplore,ISI)
26. George Suci, Elena G. Ularu, Razvan Craciunescu, "Public versus Private Cloud Adoption – a Case Study based on Open Source Cloud Platforms", *Proceedings of TELFOR 2012 Conference*, Belgrad, Serbia, 20-22 November 2012, pp. 494-497, ISBN 978-1-4673-2982-8. (IEEEExplore,ISI)
27. Suci G; Vulpe, A.; Halunga, S.; Fratu, O.; Todoran, G.; Suci, V., "Smart Cities Built on Resilient Cloud Computing and Secure Internet of Things", *Control Systems and Computer Science (CSCS) 2013, 19th International Conference on*, pp. 513-518, 25-28 May 2013, ISBN 978-0-7695-4980-4 (IEEEExplore)
28. Ularu, E.G.; Puican, F.C.; Apostu, A.; Suci, G.; Vulpe, A., „Analytical Databases for the Cloud and Virtualization”, *Informatics in Economy (IE 2013), 2013 12th International Conference on*, pp. 337-341, 25-28 Apr. 2013, ISSN 2284-7472.
29. Vulpe, A.; Fratu, O.; Mihovska, A.; Prasad, R., "A Multi-Carrier Scheduling Algorithm for LTE-Advanced," *Wireless Personal Multimedia Communications (WPMC), 2013 15th International Symposium on*, pp. 1-5, 24-28 Jun. 2013, ISBN 978-87-92982-52-0 (IEEEExplore)
30. Marțian, A.; Crăciunescu, R.; Vulpe, A.; Fratu, O.; Marghescu, I., "Perspectives on Dynamic Spectrum Access Procedures in TV White Spaces", *Global Wireless Summit (GWS), 2013 – Special Session on Recent Advances in Spectrum Measurements and Modelling towards Flexible Spectrum Usage*, pp. 1-5, 24-28 Jun. 2013, ISBN 978-87-92982-52-0 (IEEEExplore)
31. Suci, G.; Halunga, S.; Vulpe, A.; Suci, V., "Generic Platform for IoT and Cloud Computing Interoperability Study," *Signals, Circuits and Systems (ISSCS), 2013 11th International Symposium on*, pp.1-4, 10-12 Jul. 2013, ISBN 978-1-4673-6143-9 (ISI, IEEEExplore)
32. Mihai, G.; Vulpe, A.; Crăciunescu, R.; Fratu, O., „LTE Interference Analysis in an Urban Area,” *11th International Conference on Electronics, Telecommunications and Applied Informatics (ETAI 2013)*, pp.1-6, 26-28 Sept. 2013, ISBN 978-9989-630-68-2
33. Cojocaru, C.A.; Vulpe, A.; Crăciunescu, R.; Fratu, O., „The Planning of a Large Scale Sensor Network using ICS-Telecom,” *11th International Conference on Electronics, Telecommunications and Applied Informatics (ETAI 2013)*, pp.1-4, 26-28 Sept. 2013, ISBN 978-9989-630-68-2
34. Fratu, O.; Vulpe, A.; Halunga, S.; Crăciunescu, R., „Interference Analysis for Inter-Band Carrier Aggregation in LTE-Advanced, ” *11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS 2013)*, pp. 1-10, 16-19 Oct.2013, ISBN 978-1-4799-0900-1 (IEEEExplore)
35. Razvan Craciunescu, Simona Halunga, Octavian Fratu , Nicolae Vizireanu, „Multi User Orthogonal Frequency Division Multiple Access (MU-OFDMA) performances in AWGN and fading channels” *11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS 2013)*, pp. 1-4, 16-19 Oct.2013, ISBN 978-1-4799-0900-1 (IEEEExplore)
36. Carmen Voicu, Simona Halunga, Nicolae Vizireanu, „Performances of Decorrelating MUD Using STBC for Image Transmissions in Rayleigh Fading Channel” *11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS 2013)*, pp. 597-600, 16-19 Oct.2013, ISBN 978-1-4799-0900-1 (IEEEExplore)
37. Voicu Carmen, Lohan Simona, Halunga Simona, „Multiuser detection in DS-CDMA systems using POCS algorithm”, *Proceedings of TELFOR 2013 Conference*, Belgrad, Serbia, 26-28 November 2013, pp.188-191, ISBN: 978-1-4799-1419-7
38. Manea Oana, Crăciunescu Răzvan, Halunga Simona, Voicu Carmen, Preda Radu Ovidiu „Performance evaluation of subcarrier allocation methods for OFDMA”, *Proceedings of*

TELFOR 2013 Conference, Belgrad, Serbia, 26-28 November 2013, pp. 260-263, ISBN: 978-1-4799-1419-7

39. Suci George, Voicu Carmen, Todoran Gyorgy, Martian Alexandru, Halunga Simona, Butca Cristina „Network Cloud Simulator for Modelling Trust in Cognitive Radio Applications”, *Proceedings of TELFOR 2013 Conference*, Belgrad, Serbia, 26-28 November 2013., pp. 345-348, ISBN: 978-1-4799-1419-7
40. Martian Alexandru, Petrica Lucian, Radu Octavian „Cognitive Radio Testing Framework Based on USRP”, *Proceedings of TELFOR 2013 Conference*, Belgrad, Serbia, 26-28 November 2013., pp.212-215, ISBN: 978-1-4799-1419-7
41. Bucur Diana, ”Crosstalk - an overview for high speed design”, *Proceedings of TELFOR 2013 Conference*, Belgrad, Serbia, 26-28 November 2013, pp. 701-704, ISBN: 978-1-4799-1419-7
42. G. Suci, A. Vulpe, G. Todoran, T.L. Militaru, ”Cloud Computing and Big Data as Convergent Technologies for Mobile E-Learning”, 10th eLearning and Software for Education Conference , pp 1-4, București, Romania, 24-25 Aprilie, 2014 (ISI)
43. Suci, G.; Vulpe, A.; Fratu, O.; Suci, V., "Future networks for convergent cloud and M2M multimedia applications," 4th International Conference Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems, pp.1-4, Aalborg, Danemarca, 11-14 Mai 2014.(IEEEExplore)
44. Martian, A.; Sandu, B.T.; Fratu, O.; Marghescu, I.; Craciunescu, R., "Spectrum sensing based on spectral correlation for cognitive radio systems," 4th International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems (VITAE), 2014, pp.1-4, Aalborg, Danemarca, 11-14 Mai 2014.(IEEEExplore)
45. Vulpe, A.; Fratu, O.; Halunga, S., ”QoS-Aware Downlink Scheduling in Multi-Carrier Communication Systems,” 4th International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems (VITAE), 2014, pp.1-4, Aalborg, Danemarca, 11-14 Mai 2014 (IEEEExplore)
46. Bîrdan, V.; Popescu, M.; Vulpe, A., “Considerations Regarding Shielding Effectiveness and Testing of Electromagnetic Protected Enclosures Used in Communications Security”, 10th International Conference on Communications (COMM), București, Romania, 29-31 Mai 2014, pp 429-432. (ISI, IEEE Xplore)
47. Marțian, A., “Real-time Spectrum Sensor based on USRP”, 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp 429-432. (ISI, IEEE Xplore)
48. Stanciu, V.C.; Marțian, A.; Socoteanu, C.; Marghescu, I., “Data Collection for Spectrum Sensing Algorithms based on USRP”, 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp 403-406. (ISI, IEEE Xplore)
49. Arseni, S.C.; Popovici, E.C.; Stancu, L.A.; Guta, O.G.; Halunga, S.V., "Securing an alerting subsystem for a keystroke-based user identification system," 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp. 1-4 (ISI, IEEEExplore)
50. Popovici, E.C.; Stancu, L.A.; Guta, O.G.; Arseni, S.C.; Fratu, O., "Combined use of pattern recognition algorithms for keystroke-based continuous authentication system," 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp. 1-4 (ISI, IEEEExplore)
51. Craciunescu, R.; Voicu, C.; Vulpe, A.; Halunga, S., "Performance analysis of MC-CDMA system when image transmission is involved", 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp. 1-4 (ISI, IEEEExplore)
52. Bindar, V.; Popescu, M.; Craciunescu, R., "Aspects of electromagnetic compatibility as a support for communication security based on TEMPEST evaluation", 10th International Conference on Communications (COMM), Bucharest, Romania, 29-31 May 2014, pp. 1-4 (ISI, IEEEExplore)

53. A. Ochian, G. Suciu, O. Fratu, C. Voicu, V. Suciu, "An Overview of Cloud Middleware Services for Interconnection of Healthcare Platforms", 10th International Conference on Communications (COMM), pp. 1-4, București, Romania, 29-31 May 2014, (ISI, IEEEXplore)
54. G. Suciu, A. Ochian, A. Apostu, V. Suciu, A. Vulpe, "Cloud Computing and Big Data Convergence For Mobile Retail Consumers", Proceedings of the 13th International Conference on Informatics in Economy, pp 1-4, București, Romania, 15-18 Mai 2014 (ISI)
55. A. Ochian, G. Suciu, O. Fratu, V. Suciu, "Big Data Search for Environmental Telemetry", Proceedings of Second International Black Sea Conference on Communications and Networking, BlackSeaCom 2014, pp. 182-184, Chișinău, Moldova, 27-30 Mai 2014 (IEEEXplore).
56. Craciunescu, R.; Garliceanu, A.; Fratu, O., „Study of a room temperature and light dynamic „, 1st International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), pp. 1-4, Vrnjačka Banja, Serbia, 2-5 June 2014, pp1-4
57. Fratu, O.; Vulpe, A.; Craciunescu, R.; Halunga, S., „Small cells in new generations of mobile access networks“, 1st International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Invited paper, Vrnjačka Banja, Serbia, 2-5 June 2014, pp. 1-10
58. Bîndar, V.; Popescu, M.; Bărtușică, R.; Craciunescu, R.; Halunga, S., "Security aspects of RFID communication systems", 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", pp. 1-4, 21 - 24 August 2014, Constanta, Romania (ISI)
59. Craciunescu, R.; Halunga, S.; Fratu, O., „Wireless ZigBee home automation system“, the 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", pp. 1-4, 21 - 24 August 2014, Constanta, Romania (ISI)
60. G. Suciu, G. Tecu, A. Ochian, O. Fratu, V. Suciu "Tele-monitoring system for water environments", 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", pp. 1-4, Constanta, Romania, 21 - 24 August 2014 (ISI)
61. George Suciu, Victor Suciu, Simona Halunga, Octavian Fratu, Bayu Anggorojati "Cloud Systems and Big Data Processing for Environmental Telemetry. A Case Study for Applications in Viticulture", International Conference on Applied and Theoretical Electricity, pp. 1-4, Craiova, Romania, 23-25 Octombrie 2014 (IEEEXplore)
62. Suciu, G.; Vulpe, A.; Craciunescu, R.; Butca, C; Suciu, V., "Big Data Fusion for eHealth and Ambient Assisted Living Cloud Applications", *IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom)*, pp.102-106, 18-21 May 2015, Constanta, Romania, (IEEEXplore)
63. Fratu, O.; Martian, A.; Craciunescu, R.; Vulpe, A.; Halunga, S.; Lazaridis, P.; Zaharis, Z.; Kasampalis, S., „Comparative Study of Radio Mobile and ICS Telecom Propagation Prediction Models for DVB-T,, IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB), pp.1-6, 17-19 June 2015 (IEEEXplore)
64. Mitoi, M.; Vulpe, A.; Craciunescu, R.; Suciu, G.; Fratu, O., "Approaches for Environmental Monitoring Sensor Networks", *International Symposium on Signals, Circuits and Systems (ISSCS)*, pp.1-4, 9-10 July 2015, Iasi, Romania (IEEEXplore)
65. Mitoi, M.; Craciunescu, R.; Vulpe, A.; Fratu, O.; "Sensor based Environmental Monitoring for Ambient Assisted Living", 1st EAI International Conference on Future access enablers of ubiquitous and intelligent infrastructures (FABULOUS 2015), pp 1-7, Ohrid, September 23–25, 2015 (Springer)
66. Fratu, O.; Pena, C.; Craciunescu, R.; Halunga, S., "Fog Computing System for Monitoring Mild Dementia and COPD Patients", 12th International Conference on

- Telecommunication in Modern Satellite, Cable and Broadcasting Services (TELSIKS), Nis, Serbia, 14-17 Oct. 2015, vol.01, pp. 1-6 (IEEEExplore)
67. Stancu, A.; Halunga, S.; Suci, G.; Vulpe, A., "An Overview Study of Software Defined Networking," *Informatics in Economy (IE 2015)*, 2015 14th International Conference on, Bucharest, April 30-May 3, 2015, ISSN: 2247 – 1480 **(ISI)**
 68. Arseni, S.; Suci, G.; Vulpe, A.; Halunga, S.; Popovici, E.C.; Vizireanu, D.N.; Boiangiu, L., "Overview of research directions in systems and networks security," *Security for Information Technology and Communications (SECITC 2015)*, 2015 8th International Conference on, Bucharest, Romania, June 11-12, 2015, ISSN: 2285-1798
 69. Suci, George; Vulpe, Alexandru; Arseni, Stefan Ciprian; Stancu, Alexandru; Butca, Cristina; Suci, Victor, "Monitoring a cloud-based speech processing system," in *Electronics, Computers and Artificial Intelligence (ECAI)*, 2015 7th International Conference on, pp.Y-23-Y-27, București, Romania, 25-27 June 2015, doi: 10.1109/ECAI.2015.7301172. **(IEEEExplore)**
 70. Suci, G.; Sticlan, A.M.; Butca, C.; Vulpe, A.; Stancu, A.; Halunga, S., "Cloud Search Based Applications for Big Data - Challenges and Methodologies for Acceleration," *ACM Symposium on Principles of Distributed Computing (PODC 2015) - Workshop on Adaptive Resource Management and Scheduling for Cloud Computing (ARMS-CC 2015)*, Donostia-San Sebastián, Spain, July 20, 2015,
 71. Suci, G.; Vulpe, A.; Fratu, O.; Suci, V., "M2M remote telemetry and cloud IoT big data processing in viticulture," *IWCMC 2015 M2M&IoT Workshop*, Dubrovnik, Croatia, August 24-27, 2015, DOI: 10.1109/IWCMC.2015.7289239 **(IEEEExplore)**
 72. Stancu, A.; Halunga, S.; Vulpe, A.; Suci, G.; Fratu, O.; Popovici, E.C., "A Comparison between several Software Defined Networking Controllers," *12th International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS 2015)*, Niš, Serbia, October 14-17, 2015, **(IEEEExplore)**
 73. Suci, G.; Butca, C.; Suci, V.; Geaba, A.; Vulpe, A., "Basic Internet Foundation and Cloud Computing," 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2015), Krakow, Poland, November 4-6, 2015 **(IEEEExplore)**
 74. Van Linh, D.; Halunga, S.; Vulpe, A., "Evaluation of coded OFDM systems using different type of codes," *23rd Telecommunications Forum (TELFOR 2015)*, Belgrade, Serbia, November 24-26, 2015 **(IEEEExplore)**
 75. Marcu, I.; Voicu, C.; Halunga, S. V.; "Superimposed effects of signature sequences and LDPC technique in faded CDMA multiuser systems", Proceedings of ISSCS 2015, ISBN: 978-1-4673-7487-3, Iasi, Romania, 2015 (IEEEExplore)
 76. Suci, George, Albu, Bogdan Florin ; Stefan, Sergiu Ionut ; Suci, Victor ; Halunga, Simona ; Mohamad, Omar Abdulwahabe ; Hameed, Rasha Talal ; Butca, Cristina, "Monitoring of social networking sites", 14th RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 24-26 Sept. 2015, Craiova,

- Romania, pp. 214 – 217, ISBN: 978-1-4673-8179-6, DOI: 10.1109/RoEduNet.2015.7311997 INSPEC Accession Number: 15558365 (IEEEExplore)
77. Suciu, G.; Suciu, V. ; Focsa, V.C.A. ; Halunga, S. ; Mohamad, O.A. ; Arseni, S.C. ; Butca, C., “Integrating telemetry sensors with cloud computing”, 14th RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 24-26 Sept. 2015, Craiova, Romania, pp. 218 - 222, ISBN: 978-1-4673-8179-6, DOI: 10.1109/RoEduNet.2015.7311998 INSPEC Accession Number: 15558365 (IEEEExplore)
78. Suciu, G.; Geaba, A.; Butca, C.; Suciu, V.; Fratu, O.; “Basic Internet Foundation”, 1st EAI International Conference on Future access enablers of ubiquitous and intelligent infrastructures (FABULOUS 2015), pp 1-7, Ohrid, September 23–25, 2015 (Springer)
79. Nastase, C. V.; Fratu, O.; Martian, Al.; Marghescu, I.; “Performance Analysis of MUSIC and Capon DOA Estimation Algorithms in Cognitive Radio Networks”, 1st EAI International Conference on Future access enablers of ubiquitous and intelligent infrastructures (FABULOUS 2015), pp 1-7, Ohrid, September 23–25, 2015 (Springer)
- 80.

Workshop

81. Martian, A.; Craciunescu, R.; Sandu, B.T.; Fratu, O., „UHF Broadcasting in Romania”, 3rd IEEE BTS GOLD Workshop : Broadcasting in the IP Era, Brasov, Romania, 19-20 May 2014
82. A. Martian, R. Craciunescu, A. Vulpe, O. Fratu, "Access to RF White Spaces in Romania: Present and Future", ICT - the connecting path of Danube and Balkan regions to the entire Europe, 2nd CTIF-SEE workshop, 11-12 September 2014, București, Romania.
83. G. Suciu, A. Vulpe, S. Halunga Simona, O. Fratu ”Big Data Processing for Renewable Energy Telemetry using a Decentralized Cloud M2M System”, ICT - the connecting path of Danube and Balkan regions to the entire Europe, 2nd CTIF-SEE workshop, 11-12 September 2014, București, Romania.